Town Berlin Date of Closure [illegible] Initial

comp

New Hampshire Department of Environmental Services (603) 271-3644

TANK CLOSURE REPORT FORM

Telephone Message Initial TB

Name Jeff O'Hern Date: 6/28/93

Street 650 Main St Telephone: 342-2363

City Berlin Fax # 342-2370

2. **Facility Registration Number:** 0-112765

Name James River Corp. Street 650 Main St

City Berlin

3. Owner Name

Name James River Corp City Berlin

Street 650 main St State NH Zip 03570 Telephone 603 342-2363

4. Tank Removal Information ***** Indicate suspected leakers. *****

Tank # 12	Tank # 13	Tank # 9	Tank #	Tank #
Size 1000	Size 1000	Size 4000	Size	Size
Product GAS	Product GAS	Product ~~GAS~~ #2fuel	Product	Product
will tank be replaced? Yes ~~No~~	will tank be replaced? Yes ~~No~~	will tank be replaced? Yes ~~No~~	will tank be replaced? Yes No	will tank be replaced? Yes No

5. Consultant Unk None JR rep Jeff O'Hearn

Local Fire Dept. Notified Unk Yes

7. Inspector Jeff O'Hearn Date 7/20/93.

8. Field Screening Methods (tank and piping):

HNU Photoionizer model PI 101 10.2 eV probe In Tank 12 - ~~No readings~~ ND

#12 = 10.2 background 1.6 13 - ND

#13 vac = 6.0

9. Sample Information

tank # 12	tank # 13	tank # 9	tank #	tank #
Soil	Water None	Soil	Water ✓	Soil	Water	Soil	Water	Soil	Water

Taken By: Jeff O'Hearn

10. Tank Condition:

tank # 12 Rust but Study No holes detected	tank # 13 Rust but study No holes detected	tank # 9 Bung missing Excellent condition	tank #	tank #

11. Indicate tank and sample locations by sketching on back of this report.

12. Include photographs of the excavation and tank(s) condition if avaliable.

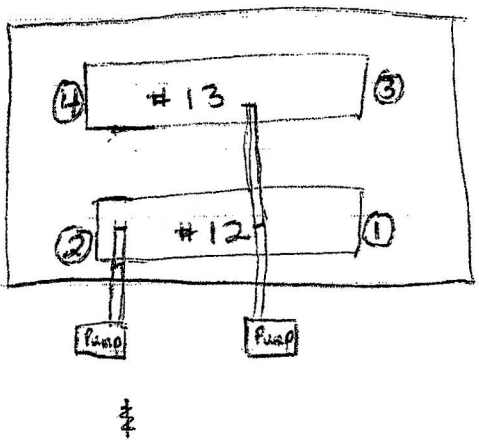
13. **Estimated cubic yards of stock piled contaminated soil:** 4 cubic yards

14. Verification

I have inspected the site of the removed tank(s), including the entire excavation area. I am knowledgable in field observation techniques to determine regulated substance contamination in soils and groundwater. There is no evidence of soil or groundwater contamination at the site. I have also inspected the excavated tank(s) and found no evidence of leakage.

Name:	Signature:	Date:

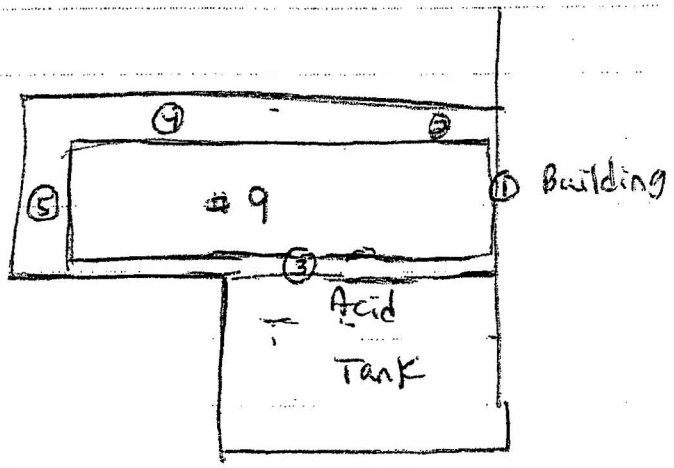
Lakeside Camp



① & ② composited into sample for tank #12

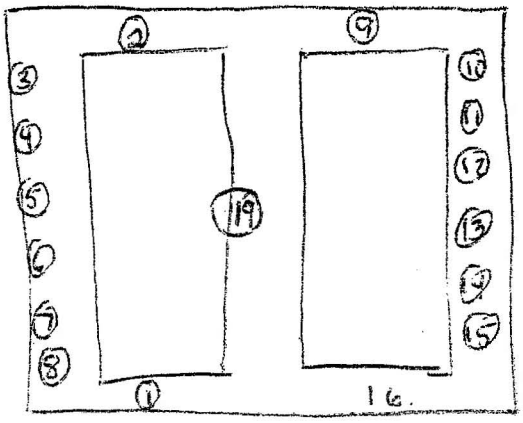
③ & ④ composited into sample for tank #13

Burgess WWTP



① ② ③ ④ ⑤ - composited into one sample
VOC sample taken of groundwater.

Groveton



① → ⑧ composited into one sample for G1

⑨ → ⑯ composited into one sample for G2.

⑲ water sample taken for VOC testing.

JAMES RIVER CORPORATION
COMMUNICATION PAPERS/N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 752-4600

January 18, 1993

Mr. Thomas Beaulieu
Groundwater Protection Bureau
NH Department of Environmental Services
6 Hazen Drive
Concord, NH 03302-0095

RE: UST Removal on November 18, 1992

Dear Mr. Beaulieu:

Enclosed please find a written report regarding the permanent closure of four underground storage tanks from our facility on November 18, 1992. The tanks were removed by James River personnel and witnessed by Rick Treese from your Division. Analytical data is included of the soil and groundwater samples which were taken on the day of removal. Pictures of the tanks and pits have also been included.

If there is any other information that you require please contact me at (603) 752-4600 ext. 2363.

Sincerely,

Jeff O'Hearn
Environmental Engineer

ustrem92:ust1.jdo

cc: R. Danforth

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Service Garage
650 Main St. Berlin, NH 03570

Tank#: 8
Tank Volume: 500 gallons
Tank Contents: Waste Oil
Tank Location: Tank located beneath parking lot at Service Garage
Removal Date: November 18, 1992

Visual Inspection:

Ground water present in pit when tank was removed. Oil film on surface of water. A few small holes were detected in the tank. Pictures were taken of pit and tank and are included with the report.

Olfactory Inspection:

VOC headspace analysis	0.5 ppm	HNU PI101 10.2 eV PID
VOC background	0.4 ppm	

Removal Actions:

Oil absorbent pads were added to the surface of the water to remove oil. Two grab samples of soil were taken from the walls of the pit at approximately 3 feet deep in locations indicated by State of NH representative on site (Rick Treese). These samples were then composited and packaged for shipping. One sample of the liquid was taken for VOC analysis once oil was removed (Method 624 or 8240).

Laboratory Results:

% Solids	87.6
TPH	6.4 ppm dry basis
BTEX	ND<1 ppm for all compounds
TCLP	Data attached

VOC of water sample: Attached

Disposal:

Contaminated Soil was sent to Mt. Carberry Landfill for disposal following all permit conditions. Tanks were inspected to ensure cleanliness and were than crushed and taken to the James River General Debris Landfill.

ustrem92:ust1.jdo

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Service Garage
650 Main St. Berlin, NH 03570

Tank#: 5
Tank Volume: 1000 gallons
Tank Contents: #2 Heating Oil
Tank Location: Tank located beneath parking lot at Service Garage.
Removal Date: November 18, 1992

Visual Inspection:

Small amount of groundwater detected at bottom of pit. No visible contamination of water readily apparent. Tank appeared to be in good condition. Pictures were taken of tank and pit.

Olfactory Inspection:

VOC headspace analysis	0.7 ppm	HNU PI101 10.2 eV PID
VOC background	0.4 ppm	

Removal Actions:

Two grab samples of soil were taken from the walls of the pit at each end of the tank at approximately 4 feet deep in locations indicated by State of NH representative on site (Rick Treese). These samples were then composited and packaged for shipping.

Laboratory Results:

% Solids	92.4
TPH	260 ppm dry basis
TPH (dup)	290 ppm dry basis
BTEX	ND<1 ppm for all compounds
TCLP	Data attached

Disposal:

Contaminated Soil was sent to Mt. Carberry Landfill for disposal following all permit conditions. Tanks were inspected to ensure cleanliness and were than crushed and taken to the James River General Debris Landfill.

ustrem92:ust1.jdo

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Tractor Shop
650 Main St. Berlin, NH 03570

Tank#: 16
Tank Volume: 500 gallons
Tank Contents: Waste Oil
Tank Location: Tank located beneath parking lot at Tractor Shop
Removal Date: November 18, 1992

Visual Inspection:

No groundwater was detected in the pit. Tank appeared to be in good condition. Some visible contamination was present on top of tank. This was traced to a union on a diesel line that ran over the tank. Pictures were taken of tank and pit.

Olfactory Inspection:

VOC headspace analysis	0.4 ppm	HNU PI101 10.2 eV PID
VOC background	0.4 ppm	

Removal Actions:

Two grab samples of soil were taken from the walls of the pit at each end of the tank at approximately 4 feet deep in locations indicated by State of NH representative on site (Rick Treese). These samples were then composited and packaged for shipping.

Laboratory Results:

% Solids	92.9
TPH	4800 ppm dry basis
BTEX	ND<1 ppm for all compounds
TCLP	Data attached

Disposal:

Contaminated Soil was sent to Mt. Carberry Landfill for disposal following all permit conditions. Tanks were inspected to ensure cleanliness and were than crushed and taken to the James River General Debris Landfill.

ustrem92:ust1.jdo

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Tractor Shop
650 Main St. Berlin, NH 03570

Tank#: 17
Tank Volume: 500 gallons
Tank Contents: Waste Oil
Tank Location: Tank located beneath parking lot at Tractor Shop
Removal Date: November 18, 1992

Visual Inspection:

No groundwater was detected in the pit. Tank appeared to be in good condition. Pictures were taken of tank and pit.

Olfactory Inspection:

VOC headspace analysis	0.4 ppm	HNU PI101 10.2 eV PID
VOC background	0.4 ppm	

Removal Actions:

Two grab samples of soil were taken from the walls of the pit at each end of the tank at approximately 4 feet deep in locations indicated by State of NH representative on site (Rick Treese). These samples were then composited and packaged for shipping.

Laboratory Results:

% Solids	91.6
TPH	570 ppm dry basis
BTEX	ND<1 ppm for all compounds
TCLP	Data attached

Disposal:

Contaminated Soil was sent to Mt. Carberry Landfill for disposal following all permit conditions. Tanks were inspected to ensure cleanliness and were than crushed and taken to the James River General Debris Landfill.

ustrem92:ust1.jdo

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

JAMES RIVER CORPORATION

INTEROFFICE CORRESPONDENCE

DATE January 5, 1993

TO Jeff O'Hearn - Berlin

FROM Dwight Easty - CES/Camas

SUBJECT Lab Reference No. 920596 - Analysis of Water and Soil Samples

Results of analysis of the UST soil and water samples collected 11/18/92 are shown in the enclosed tables. These data confirm the results reported by telephone on 1/4/93.

Please call if you have questions about results.

Dwight Easty

DWIGHT EASTY/gh

cc: Earl Hanson - Richmond

Attachments

Corporate Environmental Services-West
904 N.W. Drake Street, Camas, WA 98607-1999 (206) 834-4444

TABLE 1. EPA VOLATILE PRIORITY POLLUTANT ANALYSIS

Source: Berlin
JRESL Reference: 920596-8
Sample: #8W
Method: EPA Method 624, Purge-and-Trap GC/MS

	Concentration in ug/L (ppb)		
COMPOUND	MDL*	Lab Blank	8W
Chloromethane	5	ND	ND
Bromomethane	1	ND	ND
Vinyl chloride	1	ND	ND
Chloroethane	1	ND	ND
Dichloromethane	1	0.6	1
Trichlorofluoromethane	1	ND	ND
1,1-Dichloroethylene	1	ND	ND
1,1-Dichloroethane	1	ND	2
Z-1,2-Dichloroethylene	1	ND	ND
Chloroform	1	ND	ND
1,2-Dichloroethane	1	ND	ND
1,1,1-Trichloroethane	1	ND	97
Carbon tetrachloride	1	ND	ND
Bromodichloromethane	1	ND	ND
1,2-Dichloropropane	2	ND	ND
E-1,3-Dichloropropylene	1	ND	ND
Trichloroethylene	1	ND	ND
Benzene	1	0.7	9
Dibromochloromethane	1	ND	ND
Z-1,3-Dichloropropylene	1	ND	ND
1,1,2-Trichloroethane	1	ND	ND
2-Chloroethylvinyl ether	5	ND	ND
Bromoform	1	ND	ND
Tetrachloroethylene	1	0.8	6
1,1,2,2-Tetrachloroethane	1	ND	ND
Toluene	1	ND	46
Chlorobenzene	1	ND	ND
Ethylbenzene	1	ND	4
Xylenes	1	ND	52
Dichlorobenzene	1	ND	ND

* Minimum detection limit
ND means not detected.
Lower values reported where absence of interference permits.

Table 2

Analysis of Soils: TPH and BTEX

Lab Reference No: 920596

Sample	Solids, %	TPH[1] µg/g, dry basis	BTEX[3], µg/g, dry basis
# 8	87.6	6.4	ND <1[4]
# 16	92.9	4800	ND <1
# 17	91.6	570	ND <1
# 5	92.4	260, 290[2]	ND <1

ND means not detected.

[1] Total petroleum hydrocarbons

[2] Duplicate determinations. Recovery of 5531 µg/g spike added to #5: 96%.

[3] Benzene, toluene, ethylbenzene, xylene.

[4] Detection limit: 1 µg/g of each compound.

Table 3

Determination of Metals in TCLP Extract

Lab Reference No: 920596

	Concentration in mg/L					
Element	Regulatory Level	Detection Limit	#8	#16	#17	Spike Recovery, %[1]
Arsenic	5	0.06	ND	ND	ND	98
Barium	100	0.05	0.14	0.45	0.47	86
Cadmium	1	0.005	ND	ND	ND	103
Chromium	5	0.006	0.007	ND	ND	86
Lead	5	0.06	ND	ND	ND	102
Mercury	0.2	0.005	ND	ND	ND	109
Selenium	1	0.03	ND	ND	ND	99
Silver	5	0.05	ND	ND	ND	NA

ND means not detected

[1] Spike added to TCLP extract of #16: mercury, 0.00625 mg/L; other elements, 0.25 mg/L; silver was not added (NA).

Table 4

Determination of Volatiles in TCLP Extract

Lab Reference No. 920596

	Concentration in mg/L				
	Regulatory Level	Detection Limit	#8	#16	#17
Benzene	0.50	0.010	ND	ND	ND
Carbon Tetrachloride	0.50	0.010	ND	ND	ND
Chlorobenzene	100	0.010	ND	ND	ND
Chloroform	6.0	0.010	ND	ND	ND
1,2-Dichloroethane	0.50	0.010	ND	ND	ND
1,1-Dichloroethylene	0.70	0.010	ND	ND	ND
Methyl Ethyl Ketone	200	0.010	ND	ND	ND
Tetrachloroethylene	0.70	0.010	ND	ND	ND
Trichloroethylene	0.50	0.010	ND	ND	ND
Vinyl Chloride	0.20	0.010	ND	ND	ND

ND means not detected

Table 5

Determination of Semivolatiles in TCLP Extract

Lab Reference No. 920596

Semivolatile Organics	Regulatory Level (mg/L)	Detection Limit, mg/L	Concentration in TCLP Extract, mg/L #8	#16	#17
Chlordane	0.03	--	NR	NR	NR
o-Cresol	200.0	0.0002	ND	ND	ND
m-Cresol	200.0	0.0002	ND	ND	ND
p-Cresol	200.0	0.0002	ND	ND	ND
Total Cresol	200.0	0.0002	ND	ND	ND
2,4-D	10.0	--	NR	NR	NR
1,4-Dichlorobenzene	7.5	0.0002	ND	ND	ND
2,4-Dinitrotoluene	0.13	0.0005	ND	ND	ND
Endrin	0.02	--	NR	NR	NR
Heptachlor (and its epoxide)	0.008	--	NR	NR	NR
Hexachlorobenzene	0.13	0.0002	ND	ND	ND
Hexachloro-1,3-butadiene	0.5	0.0002	ND	ND	ND
Hexachlorethane	3.0	0.0002	ND	ND	ND
Lindane	0.4	--	NR	NR	NR
Methoxychlor	10.0	--	NR	NR	NR
Nitrobenzene	2.0	0.0008	ND	ND	ND
Pentachlorophenol	100	0.010	ND	ND	ND
Pyridine	5.0	1	ND	ND	ND
Toxaphene	0.5	--	NR	NR	NR
2,4,5-Trichlorophenol	400.0	0.0002	ND	ND	ND
2,4,6-Trichlorophenol	2.0	0.0002	ND	ND	ND
2,4,5-TP (Silvex)	1.0	--	NR	NR	NR

Pesticides and herbicides were not requested (NR).

ND means not detected.

Methods:

TPH	-	Freon extraction and infrared analysis. EPA Method 418.1
VOC's and BTEX	-	EPA Method 624/8240
TCLP Extraction	-	EPA Method 1311
Mercury	-	EPA Method 245.1
Other Metals	-	EPA Method 6010A
Pyridine	-	GC/FID
Other semivolatiles	-	EPA Method 625/8270

Analysts:

R. R. Claeys
T. A. Linn
D. L. Wong
V. Claxton
K. Haunreiter

F/U 7/17/93
JOH

JAMES RIVER CORPORATION
COMMUNICATION PAPERS/N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 752-4600

June 22, 1993

Mr. Thomas Beaulieu
Groundwater Protection Bureau
NH Department of Environmental Services
6 Hazen Drive
Concord, NH 03302-0095

Dear Mr. Beaulieu:

In accordance with Env-Ws 411.18 (c) Permanent Closure we would like to inform you of our intent to remove the following Underground Storage Tanks during the week of July 19, 1993. We intend to remove five tanks from three different locations. These tanks include:

Tank #	Tank Contents	Tank Volume	Tank Location
12	Unleaded Gasoline	1000 gallons	Cambridge Camp
13	Unleaded Gasoline	1000 gallons	Cambridge Camp
9	#2 Fuel Oil	4000 gallons	Burgess WWTP
G1	Diesel Fuel	10000 gallons	Groveton
G2	Diesel Fuel	10000 gallons	Groveton

If there are any questions or concerns please contact me at (603) 342-2363.

Sincerely,

Jeffrey O'Hearn
Environmental Project Engineer

ustrem2:ust1

cc: R. Danforth
B. Wyman
D. Marcotte

Town
comp

Initial ✓

New Hampshire Department of Environmental Services (603) 271-3644

TANK CLOSURE REPORT FORM

Telephone Message
Name Jef O'Hern
Street 650 Main St
City Berlin

Initial TB
Date: 6/28/93
Telephone: 342-2363
Fax # 342-2370

2. Facility Registration Number: 0-112765

Name James River Corp.

Street 650 Main St
City Berlin

3. Owner Name

Name James River Corp
Street 650 main St

City Berlin
State NH Zip 03570 Telephone 603 342-2363

4. Tank Removal Information

*** Indicate suspected leakers. ***

Tank # 12	Tank # 13	Tank # 9	Tank #	Tank #
Size 1000	Size 1000	Size 4000	Size	Size
Product GAS	Product GAS	Product ~~GAS~~ #2 fuel	Product	Product
will tank be replaced? Yes ~~No~~	will tank be replaced? Yes ~~No~~	will tank be replaced? Yes ~~No~~	will tank be replaced? Yes No	will tank be replaced? Yes No

5. Consultant Unk None JR rep. Jeff O'Hearn

6. Local Fire Dept. Notified Unk Yes

7. Inspector Jeff O'Hearn Date 7/20/93.

8. Field Screening Methods (tank and piping):

HNu Photoionizer model PI 101 10.2 eV probe

#12 = 10.2 background 1.6
#13 vic = 6.0

In Tank 12 - ~~No reading~~ ND
13 - ND

9. Sample Information

tank # 12	tank # 13	tank # 9	tank #	tank #
Soil	Water None	Soil	Water None	Soil	Water ✓	Soil	Water	Soil	Water

Taken By: Jeff O'Hearn

10. Tank Condition:

tank # 12 Rust but study	tank # 13 Rust but study	tank # 9 Bung missing	tank #	tank #
No holes detected	No holes detected	Excellent condition		

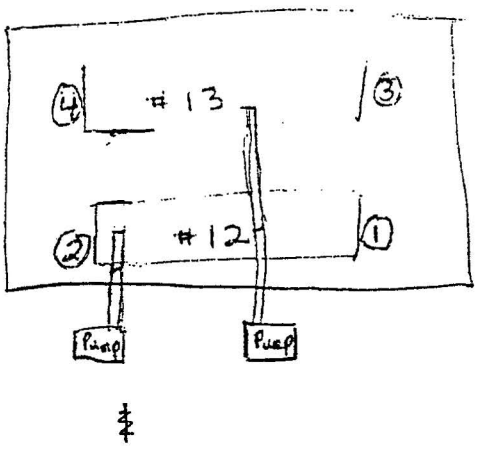
11. Indicate tank and sample locations by sketching on back of this report.
12. Include photographs of the excavation and tank(s) condition if avaliable.
13. **Estimated cubic yards of stock piled contaminated soil:** 4 cubic yards

14. Verification

I have inspected the site of the removed tank(s), including the entire excavation area. I am knowledgable in field observation techniques to determine regulated substance contamination in soils and groundwater. There is no evidence of soil or groundwater contamination at the site. I have also inspected the excavated tank(s) and found no evidence of leakage.

Name:	Signature:	Date:

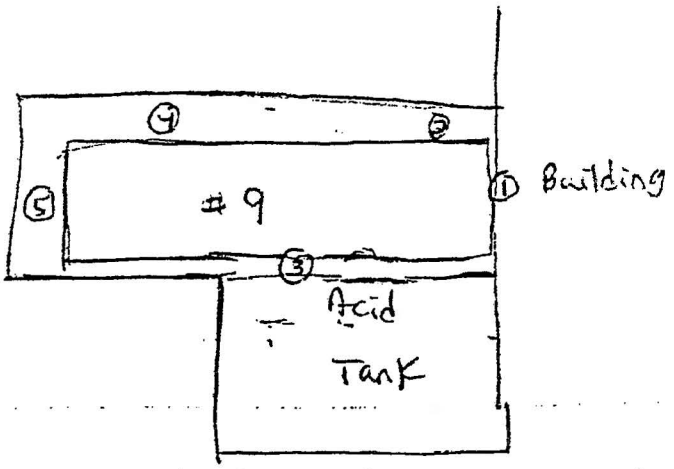
Lakeside Camp



①&② composited into sample for tank #12

③&④ composited into sample for tank #13

Burgess WWTP



①②③④⑤ - composited into one sample

VOC sample taken of groundwater.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Lakeside Camp - Cambridge NH
650 Main St. Berlin, NH 03570

Tank#: 12
Tank Volume: 1000 gallons
Contents: Unleaded Gasoline
Removal Date: July 20, 1993

Visual Inspection:

No groundwater was present in the pit when the tank was removed. There was some minimal soil contamination evident in the area of the piping to the tank. This contamination was believed to have been caused by residual fuel in the lines that spilled when the lines were removed. The tank was in excellent condition and no holes were detected. The piping and fittings also seemed to be free of leaks. Pictures were taken of pit and tank and are included with the report.

Olfactory Inspection:

VOC headspace analysis	10.2 ppm	HNU PI101 10.2 eV PID
VOC background	1.6 ppm	

Removal Actions:

Two grab samples of soil were taken from the walls of the pit at approximately 4 feet deep in locations at each end of the tank. These samples were then composited and packaged for shipping.

Laboratory Results:

% Solids	94.0
TPH	58 ppm dry basis
BTEX	ND<0.2 ppm for all compounds

Disposal:

The pits were filled in with fill following the removal of the tanks and lines. Tanks were inspected to ensure cleanliness and are stored at the James River Service Garage awaiting disposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

ustrem93:ust1.jdo

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

ustrem93:ust1.jdo

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Burgess Wastewater Treatment Plant
650 Main St. Berlin, NH 03570

Tank#: 9
Tank Volume: 4000 gallons
Tank Contents: #2 Heating Oil
Tank Location: Tank located at rear of building.
Removal Date: July 20, 1993

Visual Inspection:

Small amount of groundwater detected at bottom of pit. There was a light sheen on the surface of the water and absorbent pads were placed in the hole to absorb this. Contamination of the soil at the building end of the tank was visible. After thorough inspection of the tank no leaks were detected and no rust was present. It appeared that one of the bungs on the top of the tank was missing in the general location where the most contamination was present in the pit. Pictures were taken of tank and pit.

Olfactory Inspection:

VOC headspace analysis	58 ppm	HNU PI101 10.2 eV PID
VOC background	4.0 ppm	

Removal Actions:

One grab sample of soil were taken from each end of the tank and three grab samples were collected along the walls of the tank at approximately 4 feet deep. The samples were composited into one sample. One sample of the groundwater in the pit was also collected. The samples were than packaged for shipping.

Laboratory Results:

% Solids	85.8
TPH	220 ppm dry basis
TPH (dup)	200 ppm dry basis
BTEX	ND<0.2 ppm for all compounds

VOC on Water Sample: See attached

Disposal:

Jack Schwaziack of the State Groundwater Protection Division was contacted when the soil contamination was detected.

ustrem93:ust1.jdo

Following his instructions, we removed as much of the contaminated soil as was possible and transported this to MT. Carberry Landfill for storage. The pit was then filled in with clean fill. Tanks were inspected to ensure cleanliness and are strored at the Service Garage awaiting disposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

TABLE 1A. VOLATILES IN GROUNDWATER

Source: Berlin
JRESL Reference: 930381
Sample: Groundwater Sample 9W
Method: EPA Method 624, Purge-and-Trap GC/MS

	CONCENTRATION in ug/L (ppb)		
COMPOUND	MDL*	Lab Blank	9W 7/20/93
Chloromethane	10	ND	ND
Bromomethane	10	ND	ND
Vinyl chloride	10	ND	ND
Chloroethane	10	ND	ND
Dichloromethane	2	ND	ND
Trichlorofluoromethane	2	ND	ND
1,1-Dichloroethene	2	ND	ND
1,1-Dichloroethane	2	ND	ND
trans-1,2-Dichloroethene	2	ND	ND
Chloroform	2	ND	ND
1,2-Dichloroethane	2	ND	ND
1,1,1-Trichloroethane	2	ND	ND
Carbon tetrachloride	2	ND	ND
Bromodichloromethane	2	ND	ND
1,2-Dichloropropane	4	ND	ND
cis-1,3-Dichloropropene	2	ND	ND
Trichloroethene	2	ND	ND
Benzene	2	ND	ND
Dibromochloromethane	2	ND	ND
trans-1,3-Dichloropropene	2	ND	ND
1,1,2-Trichloroethane	2	ND	ND
2-Chloroethylvinyl ether	10	ND	ND
Bromoform	2	ND	ND
Tetrachloroethene	2	ND	ND
1,1,2,2-Tetrachloroethane	2	ND	ND
Toluene	2	ND	ND
Chlorobenzene	2	ND	ND
Ethylbenzene	2	ND	ND
Xylenes	2	ND	43
1,3-Dichlorobenzene	2	ND	ND
1,2-&-1,4-Dichlorobenzene	2	ND	ND

*Minimum Detection Limit
ND means not detected

State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
603-271-3503 FAX 603-271-2867
TDD Access: Relay NH 1-800-735-2964

March 7, 1994

James River Corporation
650 Main Street
Berlin, New Hampshire 03570
Attn: Jeffrey O'Hearn

RE: BERLIN, JAMES RIVER, TANK CLOSURE REPORT RECEIVED AUGUST 30, 1993
(UST #0-112765)

Dear Mr. O'Hearn:

The New Hampshire Department of Environmental Services (DES) has reviewed the Tank Closure Report for the 1,000 gallon gasoline tank and a 4,000 gallon gasoline tank submitted concerning the above referenced facility and we have the following comments:

1. Based upon the information provided, it appears that a discharge of petroleum that will ultimately seep into surface water or groundwater of the State has not occurred. Therefore, DES will not require additional investigation or remedial measures at this time.

2. The owner(s) of this facility must meet the goals of N.H. Admin. Rules Env-Ws 410 "Groundwater Protection Rules," that is, groundwater at the site must continue to meet drinking water quality standards.

3. DES reserves the right, under N.H. Admin. Rules Env-Ws 410 "Groundwater Protection Rules" and N.H. Admin. Rules Env-Ws 412 "Rules for Reporting and Remediation of Oil Discharges," to require additional hydrogeological investigations and/or remedial measures if further information indicating the need for such work is received.

If you have questions, contact me at the Water Supply & Pollution Control Division at (603) 271-3644.

Sincerely,

Thomas R. Beaulieu
Groundwater Protection Bureau

TRB/emw:97/8155
cc: File

AIR RESOURCES DIV.
64 No. Main Street
Caller Box 2033
Concord, N.H. 03302-2033
Tel. 603-271-1370
Fax 603-271-1381

WASTE MANAGEMENT DIV.
6 Hazen Drive
Concord, N.H. 03301
Tel. 603-271-2900
Fax 603-271-2456

WATER RESOURCES DIV.
64 No. Main Street
P.O. Box 2008
Concord, N.H. 03302-2008
Tel. 603-271-3406
Fax 603-271-6588

WATER SUPPLY & POLLUTION CONTROL DIV.
P.O. Box 95
Concord, N.H. 03302-0095
Tel. 603-271-3503
Fax 603-271-2181

JAMES RIVER CORPORATION
COMMUNICATION PAPERS/N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 752-4600

March 11, 1994

Mr. Thomas R. Beaulieu
N.H. Department of Environmental Services
Groundwater Protection Bureau
6 Hazen Drive, P.O. Box 95
Concord, NH 03302-0095

Dear Mr. Beaulieu:

This letter is in response to your letter of March 7, 1994 regarding the tank closure report which we submitted on August 30, 1993. I would like question a discrepancy which I noted in your response. Your letter references one 1,000 gallon gasoline tank and one 4,000 gallon gasoline tank that were closed. The tanks that were removed were actually two 1,000 gallon gasoline tanks and one 4,000 gallon #2 Fuel Oil tank. I would appreciate it if you would look into this and let me know of your results.

If you have any questions please contact me at (603) 342-2363.

Sincerely,

Jeffrey O'Hearn
Environmental Project Engineer

ust_clsr_0793_nhresp1:vwp.hzw_jdo

cc: R. Danforth

No response from State of NH

comp

Initial L

New Hampshire Department of Environmental Services (603) 271-3644

TANK CLOSURE REPORT FORM

Telephone Message

Name Jeffrey O'Hern / James River

Street 650 Main St

City Berlin NH

Initial TB

Date: 6/28/93

Telephone: 342-2363

Fax #

2. Facility Registration Number: 0-111933

Name James River Corp (Riverside)

Street Mechanic St

City Northumberland

3. Owner Name

Name

Street

City

State Zip Telephone

4. Tank Removal Information

*** Indicate suspected leakers. ***

Tank # G1	Tank # G2	Tank #	Tank #	Tank #
Size 10 000	Size 10 000	Size	Size	Size
Product DSC	Product DSC	Product	Product	Product
will tank be replaced? Yes ~~No~~	will tank be replaced? Yes ~~No~~	will tank be replaced? Yes No	will tank be replaced? Yes No	will tank be replaced? Yes No

5. Consultant ~~Clark~~ Nine JR contact Jeff O'Hearn

6. Local Fire Dept. Notified ~~Clark~~ Yes

7. Inspector Jeff O'Hearn Date 7/21/93

8. Field Screening Methods (tank and piping):

VOC testing with photo ionizer PID with probe

G1 16 ppm background 3 ppm

G2 7.6 ppm

9. Sample Information

tank # G1	tank # G2	tank #	tank #	tank #
Soil ✓ Water ✓	Soil ✓ Water	Soil Water	Soil Water	Soil Water

Taken By:

10. Tank Condition:

tank #	tank #	tank #	tank #	tank #
excellent	excellent			

11. Indicate tank and sample locations by sketching on back of this report.

12. Include photographs of the excavation and tank(s) condition if avaliable.

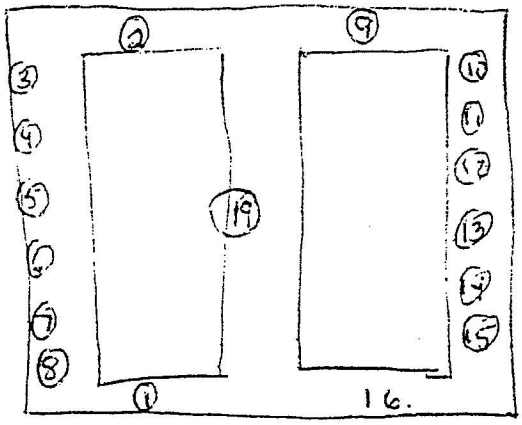
13. **Estimated cubic yards of stock piled contaminated soil:** 160 cubic yards

14. Verification

I have inspected the site of the removed tank(s), including the entire excavation area. I am knowledgable in field observation techniques to determine regulated substance contamination in soils and groundwater. There is no evidence of soil or groundwater contamination at the site. I have also inspected the excavated tank(s) and found no evidence of leakage.

Signature | Date:

Groveton



① → ⑧ composited into one sample for G1

⑨ → ⑯ composited into one sample for G2.

⑲ water sample taken for VOC testing.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Groveton Facility
650 Main St. Berlin, NH 03570

Tank#: G1
Tank Volume: 10000 gallons
Tank Contents: Diesel Fuel
Tank Location: Tank located beneath parking lot
Removal Date: July, 21, 1993

Visual Inspection:

Some groundwater was detected in the pit with a slight sheen of oil on the surface in a couple of the puddles. The tank was in excellent condition. Some contamination was detected in the area of the tank fill pipe possible due to overfilling in the past. THe pipes themselves were also in good condition. Pictures were taken of tank and pit.

Olfactory Inspection:

VOC headspace analysis	16.0 ppm	HNU PI101 10.2 eV PID
VOC background	3.0 ppm	

Removal Actions:

A grab sample of soil was taken from each end of the tank and 6 samples were taken along the length at approximately 4 feet deep in locations. These samples were then composited into one sample. A groundwater sample was also taken. The samples were then packaged for shipping.

Laboratory Results:

% Solids	91.4
TPH	680 ppm dry basis
BTEX	ND<0.2 ppm for all compounds

VOC on water sample: See attached

Disposal:

Contaminated Soil was sent to Mt. Carberry Landfill for disposal following all permit conditions. Rick Berry from the State Groundwater Protection Division was contacted and informed of the soil contamination that was present. The pit

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Lakeside Camp - Cambridge NH
650 Main St. Berlin, NH 03570

Tank#: 13
Tank Volume: 1000 gallons
Tank Contents: Unleaded Gasoline
Removal Date: July 20, 1993

Visual Inspection:

No groundwater was present in the pit when the tank was removed. There was no contamination evident in the area of this tank. The tank was in excellent condition and no holes were detected. Pictures were taken of pit and tank and are included with the report.

Olfactory Inspection:

VOC headspace analysis	6.0 ppm	HNU PI101 10.2 eV PID
VOC background	1.6 ppm	

Removal Actions:

Two grab samples of soil were taken from the walls of the pit at approximately 4 feet deep in locations at each end of the tank. These samples were then composited and packaged for shipping.

Laboratory Results:

% Solids	89.1
TPH	44 ppm dry basis
BTEX	ND<0.2 ppm for all compounds

Disposal:

Tanks were inspected to ensure cleanliness and are currently stored at the James River Service Garage awaiting diposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

ustrem93:ust1.jdo

was then filled in with new clean fill.The tanks were inspected for cleanliness and are stored at the Service Garage awaiting disposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

TABLE 1B. VOLATILES IN GROUNDWATER

Source: Berlin
JRESL Reference: 930382
Sample: Groundwater Sample GW
Method: EPA Method 624, Purge-and-Trap GC/MS

	CONCENTRATION in ug/L (ppb)		
COMPOUND	MDL*	Lab Blank	GW 7/21/93
Chloromethane	10	ND	ND
Bromomethane	10	ND	ND
Vinyl chloride	10	ND	ND
Chloroethane	10	ND	ND
Dichloromethane	2	ND	ND
Trichlorofluoromethane	2	ND	ND
1,1-Dichloroethene	2	ND	ND
1,1-Dichloroethane	2	ND	ND
trans-1,2-Dichloroethene	2	ND	ND
Chloroform	2	ND	ND
1,2-Dichloroethane	2	ND	ND
1,1,1-Trichloroethane	2	ND	ND
Carbon tetrachloride	2	ND	ND
Bromodichloromethane	2	ND	ND
1,2-Dichloropropane	4	ND	ND
cis-1,3-Dichloropropene	2	ND	ND
Trichloroethene	2	ND	ND
Benzene	2	ND	ND
Dibromochloromethane	2	ND	ND
trans-1,3-Dichloropropene	2	ND	ND
1,1,2-Trichloroethane	2	ND	ND
2-Chloroethylvinyl ether	10	ND	ND
Bromoform	2	ND	ND
Tetrachloroethene	2	ND	ND
1,1,2,2-Tetrachloroethane	2	ND	ND
Toluene	2	ND	ND
Chlorobenzene	2	ND	ND
Ethylbenzene	2	ND	ND
Xylenes	2	ND	ND
1,3-Dichlorobenzene	2	ND	ND
1,2-&-1,4-Dichlorobenzene	2	ND	ND

*Minimum Detection Limit
ND means not detected.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Groveton Facility
650 Main St. Berlin, NH 03570

Tank#: G2
Tank Volume: 10000 gallons
Tank Contents: Diesel Fuel
Tank Location: Tank located beneath parking lot
Removal Date: July, 21, 1993

Visual Inspection:

Some groundwater was detected in the pit with a slight sheen of oil on the surface in a couple of the puddles. The tank was in excellent condition. Some contamination was detected in the area of the tank fill pipe possible due to overfilling in the past. The pipes themselves were in good condition. Pictures were taken of tank and pit.

Olfactory Inspection:

VOC headspace analysis	7.6 ppm	HNU PI101 10.2 eV PID
VOC background	3.0 ppm	

Removal Actions:

A grab sample of soil was taken from each end of the tank and 6 samples were taken along the length at approximately 4 feet deep in locations. These samples were then composited into one sample for analysis. A groundwater sample (see Tank G1 inspection form) was also taken. The samples were then packaged for shipping.

Laboratory Results:

% Solids	93.0
TPH	290 ppm dry basis
BTEX	ND<0.2 ppm for all compounds

Disposal:

All removed from the pit was sent to Mt. Carberry Landfill for disposal following all permit conditions. Rick Berry from the State Groundwater Protection Division was contacted and informed of the soil contamination that was present. The pit was then filled in with new clean fill. The tanks were

inspected for cleanliness and are stored at the Service Garage awaiting disposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines April 1991

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

JAMES RIVER CORPORATION

INTEROFFICE CORRESPONDENCE

DATE August 23, 1993

TO Jeff O'Hearn - Berlin

FROM Dwight Easty - CES/Camas

SUBJECT Lab Reference 930381 and 930382 - Analysis of Water and Soil Samples

Results of analysis of the groundwater and soil samples collected July 20 and 21 are shown in the enclosed tables. Please note that xylene was detected in groundwater sample 9W.

Please call if you have questions about these results.

Dwight Easty

DWIGHT EASTY

c:
Earl Hanson - Richmond

Enclosures

Post-It™ brand fax transmittal memo 7671	# of pages ▸ 5
To Tom Beaulieu	From Jeff O'Hearn
Co. NH DES	Co. JR
Dept.	Phone #
Fax # 271-2151	Fax # 342-2337

Corporate Environmental Services-West
904 N.W. Drake Street, Camas, WA 98607-1999 (206) 834-4444

FORM 5571 2/85

Tom Beaulieu
271-2151

TABLE 1A. VOLATILES IN GROUNDWATER

Source: Berlin
JRESL Reference: 930381
Sample: Groundwater Sample 9W
Method: EPA Method 624, Purge-and-Trap GC/MS

	CONCENTRATION in ug/L (ppb)		
COMPOUND	MDL*	Lab Blank	9W 7/20/93
Chloromethane	10	ND	ND
Bromomethane	10	ND	ND
Vinyl chloride	10	ND	ND
Chloroethane	10	ND	ND
Dichloromethane	2	ND	ND
Trichlorofluoromethane	2	ND	ND
1,1-Dichloroethene	2	ND	ND
1,1-Dichloroethane	2	ND	ND
trans-1,2-Dichloroethene	2	ND	ND
Chloroform	2	ND	ND
1,2-Dichloroethane	2	ND	ND
1,1,1-Trichloroethane	2	ND	ND
Carbon tetrachloride	2	ND	ND
Bromodichloromethane	2	ND	ND
1,2-Dichloropropane	4	ND	ND
cis-1,3-Dichloropropene	2	ND	ND
Trichloroethene	2	ND	ND
Benzene	2	ND	ND
Dibromochloromethane	2	ND	ND
trans-1,3-Dichloropropene	2	ND	ND
1,1,2-Trichloroethane	2	ND	ND
2-Chloroethylvinyl ether	10	ND	ND
Bromoform	2	ND	ND
Tetrachloroethene	2	ND	ND
1,1,2,2-Tetrachloroethane	2	ND	ND
Toluene	2	ND	ND
Chlorobenzene	2	ND	ND
Ethylbenzene	2	ND	ND
Xylenes	2	ND	43
1,3-Dichlorobenzene	2	ND	ND
1,2-&-1,4-Dichlorobenzene	2	ND	ND

*Minimum Detection Limit
ND means not detected

TABLE 1B. VOLATILES IN GROUNDWATER

Source: Berlin
JRESL Reference: 930382
Sample: Groundwater Sample GW
Method: EPA Method 624, Purge-and-Trap GC/MS

	CONCENTRATION in ug/L (ppb)		
COMPOUND	MDL*	Lab Blank	GW 7/21/93
Chloromethane	10	ND	ND
Bromomethane	10	ND	ND
Vinyl chloride	10	ND	ND
Chloroethane	10	ND	ND
Dichloromethane	2	ND	ND
Trichlorofluoromethane	2	ND	ND
1,1-Dichloroethene	2	ND	ND
1,1-Dichloroethane	2	ND	ND
trans-1,2-Dichloroethene	2	ND	ND
Chloroform	2	ND	ND
1,2-Dichloroethane	2	ND	ND
1,1,1-Trichloroethane	2	ND	ND
Carbon tetrachloride	2	ND	ND
Bromodichloromethane	2	ND	ND
1,2-Dichloropropane	4	ND	ND
cis-1,3-Dichloropropene	2	ND	ND
Trichloroethene	2	ND	ND
Benzene	2	ND	ND
Dibromochloromethane	2	ND	ND
trans-1,3-Dichloropropene	2	ND	ND
1,1,2-Trichloroethane	2	ND	ND
2-Chloroethylvinyl ether	10	ND	ND
Bromoform	2	ND	ND
Tetrachloroethene	2	ND	ND
1,1,2,2-Tetrachloroethane	2	ND	ND
Toluene	2	ND	ND
Chlorobenzene	2	ND	ND
Ethylbenzene	2	ND	ND
Xylenes	2	ND	ND
1,3-Dichlorobenzene	2	ND	ND
1,2-&-1,4-Dichlorobenzene	2	ND	ND

*Minimum Detection Limit
ND means not detected.

Table 2

Analysis of Soils: TPH and BTEX

Lab Reference 930381 and 930382

Sample	Solids, %	TPH[1] ug/g, dry basis	BTEX[3] ug/g, dry basis
9	85.8	220, 200[2]	ND <0.2[4]
12	94.0	58	ND <0.2
13	89.1	44	ND <0.2
G1	91.4	680	ND <0.2
G2	93.0	290	ND <0.2

ND means not detected.

[1] Total petroleum hydrocarbons

[2] Duplicate determinations. Recovery of 460 ug/g spike added to sample 13: 80%.

[3] Benzene, toluene, ethylbenzene, xylene.

[4] Detection limit: 0.2 ug/g of each compound.

Table 3

BTEX Spike Recovery

Lab Reference 930381

	Spike Recovery,[1] %
Benzene	78
Toluene	80
Ethylbenzene	92
m-Xylene	95

---

[1] Amount of spike added to sample 13: 4 ug/g of each compound.

Methods:

VOC's and BTEX - EPA Method 624/8240
TPH - Freon extraction and infrared analysis. EPA Method 418.1

Analysts:

V. Claxton
K. Haunreiter
R. Smith

JAMES RIVER CORPORATION
COMMUNICATION PAPERS/N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 752-4600

August 26, 1993

Mr. Bob Delisle
Berlin Health Department
Main Street
Berlin, NH 03570

Dear Bob:

Enclosed please find a copy of the report which we have submitted to the State in regards to the removal of the underground #2 fuel tank from the Burgess Wastewater Treatment Plant. The results of the testing of the soil and groundwater from the tank site are included in the report.

If you have any questions about this information please give me a call at (603) 342-2363.

Sincerely,

Jeffrey O'Hearn
Environmental Project Engineer

cc: R. Danforth

JAMES RIVER CORPORATION
COMMUNICATION PAPERS/N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 752-4600

August 26, 1993

Mr. Thomas Beaulieu
Groundwater Protection Bureau
NH Department of Environmental Services
6 Hazen Drive
Concord, NH 03302-0095

RE: UST Removal on July 20, 1993

Dear Mr. Beaulieu:

Enclosed please find a written report regarding the permanent closure of three underground storage tanks from our facility (O-112765) on July 20, 1993 and the permanent closure of two tanks at our former Groveton facility (O-111933) on July 21, 1993. The tanks were removed and witnessed by James River personnel. A State representative was requested but due to scheduling conflicts was unable to witness the removal. Analytical data is included of the soil and groundwater samples which were taken during the removals. Pictures of the tanks and pits have also been included.

If there is any other information that you require please contact me at (603) 342-2363.

Sincerely,

Jeff O'Hearn
Environmental Project Engineer

ustrem93:ust1

cc: R. Danforth

JAMES RIVER CORPORATION
COMMUNICATION PAPERS/N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 752-4600

August 27, 1993

Mr. Carl Woodbury
Waste Management Division
NH Department of Environmental Services
6 Hazen Drive
Concord, NH 03301

Dear Mr. Woodbury:

Enclosed please find the soil test results for the soil we removed from our underground tank removals at our former Groveton facility, our Lakeside logging camp in Cambridge, and our Burgess Treatment Plant. We currently have approximately 160 yd^3 of soil from Groveton (sample G1 and G2) and 4 yd^3 from the Treatment Plant (sample 9) stored at our Mt Carberry Landfill. We did not remove any of the soil from the Lakeside Camp (samples 12 and 13). We would like permission to dispose of this soil in Mt. Carberry Landfill.

If you have any questions or concerns please contact me at (603) 342-2363.

Sincerely,

Jeffrey O'Hearn
Environmental Project Engineer

cc: R. Danforth

Table 2

Analysis of Soils: TPH and BTEX

Lab Reference 930381 and 930382

Sample	Solids, %	TPH[1] ug/g, dry basis	BTEX[3] ug/g, dry basis
9	85.8	220, 200[2]	ND <0.2[4]
12	94.0	58	ND <0.2
13	89.1	44	ND <0.2
G1	91.4	680	ND <0.2
G2	93.0	290	ND <0.2

ND means not detected.

[1] Total petroleum hydrocarbons

[2] Duplicate determinations. Recovery of 460 ug/g spike added to sample 13: 80%.

[3] Benzene, toluene, ethylbenzene, xylene.

[4] Detection limit: 0.2 ug/g of each compound.

State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
603-271-3503 FAX 603-271-2867
TDD Access: Relay NH 1-800-735-2964

September 9, 1993

Mr. Jeffrey O'Hearn
Environmental Project Engineer
James River Corporation
650 Main Street
Berlin, NH 03570-2489

RE: **PETROLEUM CONTAMINATED SOILS**

Dear Mr. O'Hearn:

The New Hampshire Department of Environmental Services (Department) has received your letter of August 27, 1993 regarding petroleum contaminated soils generated during the removal of underground storage tanks at the Lakeside logging camp in Cambridge and the former James River facility in Groveton. Analytical test data included with your letter shows that the soils contain less than 700 ppm of total petroleum hydrocarbons with no detectable BTEX compounds. It is therefore acceptable to the Department to dispose these soils at the Mt. Carberry landfill.

Please contact me at 271-2925, if you have any questions.

Sincerely,

Carl Woodbury

Carl F. Woodbury
Waste Management Specialist IV
Solid Waste Compliance Section
Waste Management Division

RSR/CFW/neo/6450j
cc: Dr. Raymond Danforth, JRC
Berlin File/DB
Carl F. Woodbury, SWCS

AIR RESOURCES DIV.
64 No. Main Street
Caller Box 2033
Concord, N.H. 03302-2033
Tel. 603-271-1370
Fax 603-271-1381

WASTE MANAGEMENT DIV.
6 Hazen Drive
Concord, N.H. 03301
Tel. 603-271-2900
Fax 603-271-2456

WATER RESOURCES DIV.
64 No. Main Street
P.O. Box 2008
Concord, N.H. 03302-2008
Tel. 603-271-3406
Fax 603-271-1381

WATER SUPPLY & POLLUTION CONTROL DIV.
P.O. Box 95
Concord, N.H. 03302-0095
Tel. 603-271-3503
Fax 603-271-2181

State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
603-271-3503 FAX 603-271-2867
TDD Access: Relay NH 1-800-735-2964

March 1994

TO: UST Facility Owners, Carroll, Coos and Grafton Counties

RE: RSA 146-C:4, Underground Storage Facility Permit Fees

Dear Sir/Madam:

On February 20, 1990, the legislature enacted an amendment to RSA 146-C:4 which established a permit fee for underground storage facilities.

Under the legislation, a permit fee of $70 per year shall be paid to the New Hampshire Department of Environmental Services (NHDES) by the owner or operator of each permitted facility, except for facilities owned by the state and local governments, including counties, and school districts, in the manner described below.

Facilities with existing permits in Carroll, Coos or Grafton counties will expire on April 30, 1994. A total of $350.00 is due on April 30, 1994. This fee covers the operation permit for the next 5 years, i.e. 1994-1999.

Upon payment of the amount due, your Permit to Operate will be issued.

Please note that no facility shall operate without a valid operation permit.

An invoice and return envelope is included with this letter for your convenience. If you have any questions please contact our office at (603) 271-3644.

Sincerely,

Lynn A. Woodard
Groundwater Protection Bureau

TRB/emw:8191
cc: File

AIR RESOURCES DIV.
64 No. Main Street
Caller Box 2033
Concord, N.H. 03302-2033
Tel. 603-271-1370
Fax 603-271-1381

WASTE MANAGEMENT DIV.
6 Hazen Drive
Concord, N.H. 03301
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WATER RESOURCES DIV.
64 No. Main Street
P.O. Box 2008
Concord, N.H. 03302-2008
Tel. 603-271-3406
Fax 603-271-6588

WATER SUPPLY & POLLUTION CONTROL DIV.
P.O. Box 95
Concord, N.H. 03302-0095
Tel. 603-271-3503
Fax 603-271-2181

D661L42T
FORM NO. 484-B REV. 8/92

Remittance Advice

JAMES RIVER CORPORATION
Berlin, New Hampshire

02245644

Invoice Date	Vendor Invoice No./Our Reference		Invoice Amount	Discount	Net Amount
04 11 94	9474	148566	350.00	.	350.00
			350.00	0.00	350.00

JAMES RIVER CORPORATION
P.O. Box 2218, Richmond, VA 23217

BERLIN/GORHAM DISBURSEMENT

Citibank Delaware
A subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

02245644
0067183
62-20
311

000004589

Date: 04 11 94

Amount: ********350.00

Pay To The Order Of
TREASURER STATE OF NH WATER
NHDES
PO BOX 95 6 HAZEN DRIVE
CONCORD NH
03302-0095

NOT VALID AFTER 60 DAYS

⑈02245644⑈ ⑆031100209⑆ 3884184⑈

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Tractor Shop
650 Main St. Berlin, NH 03570

Tank#: 14
Tank Volume: 3000 gallons
Contents: Unleaded Gasoline
Removal Date: August 16, 1994

Visual Inspection:

No groundwater was present in the pit when the tank was removed. There was some minimal soil contamination evident in the area at the south end of the tank between this tank and a 3000 gallon diesel tank (Tank #15). The tank was in excellent condition and no holes were detected. The piping and fittings also seemed to be free of leaks.

Olfactory Inspection:

VOC headspace analysis HNU PI101 10.2 eV PID

North end of tank (2A)	4.4 ppm
West side of tank (2C)	2.4 ppm
South end of tank (2B)	76 ppm

Removal Actions:

Three grab samples of soil were taken from the walls of the pit at approximately 4 feet deep in locations at each end of the tank and one on the west side. The soil at the south end of the tank is stockpiled awaiting disposal at our Mt. Carberry Landfill following review of analytical results.

Laboratory Results:

Sample	**2A**	**2B**	**2C**
% Solids	90	91	88
TPH (dry basis)	ND<10	ND<10	ND<10
BTEX	(see attached analytical results)		
MTBE	ND<0.1	ND<0.1	ND<0.1

Disposal:

The pit was filled in with fill following the removal of the tank and lines. The tank was inspected to ensure cleanliness and shipped to Isaacson Structural Steel for disposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines June 1994

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Tractor Shop
650 Main St. Berlin, NH 03570

Tank#: 15
Tank Volume: 3000 gallons
Contents: Diesel Fuel
Removal Date: August 16, 1994

Visual Inspection:

No groundwater was present in the pit when the tank was removed. There was some minimal soil contamination evident in the area at the north end of the tank between this tank and a 3000 gallon gasoline tank (Tank #14). The tank was in excellent condition and no holes were detected. The piping and fittings also seemed to be free of leaks.

Olfactory Inspection:

VOC headspace analysis HNU PI101 10.2 eV PID

South end of tank (1A)	2.0 ppm
West side of tank (1C)	42 ppm
North end of tank (2B)	76 ppm

Removal Actions:

Three grab samples of soil were taken from the walls of the pit at approximately 4 feet deep in locations at each end of the tank and one on the west side. The soil at the north end of the tank and west side of tank are stockpiled awaiting disposal at our Mt. Carberry Landfill following review of analytical results.

Laboratory Results:

Sample	**1A**	**1C**	**2B**
% Solids	91	88	91
TPH (dry basis)	ND<10	1100	ND<10
BTEX	(see attached analytical results)		

Disposal:

The pit was filled in with fill following the removal of the tank and lines. The tank was inspected to ensure cleanliness and shipped to Isaacson Structural Steel for disposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines June 1994

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Sawmill Hydro
650 Main St. Berlin, NH 03570

Tank#: 11
Tank Volume: 2000 gallons
Contents: Kerosene Heating Oil
Removal Date: August 16, 1994

Visual Inspection:

No groundwater was present in the pit when the tank was removed. The tank was in excellent condition and no holes were detected. The piping and fittings also seemed to be free of leaks.

Olfactory Inspection:

VOC headspace analysis HNU PI101 10.2 eV PID

North end of tank	5.8 ppm
West side of tank	5.8 ppm
South end of tank	5.8 ppm

Removal Actions:

Four grab samples of soil were taken from the walls of the pit at approximately 4 feet deep in locations around the tank perimeter and were composited into one sample. No high spots were detected with the VOC analyzer.

Laboratory Results:

Sample	**11**
% Solids	93
TPH (dry basis)	ND<100
BTEX	(see attached analytical results)

Disposal:

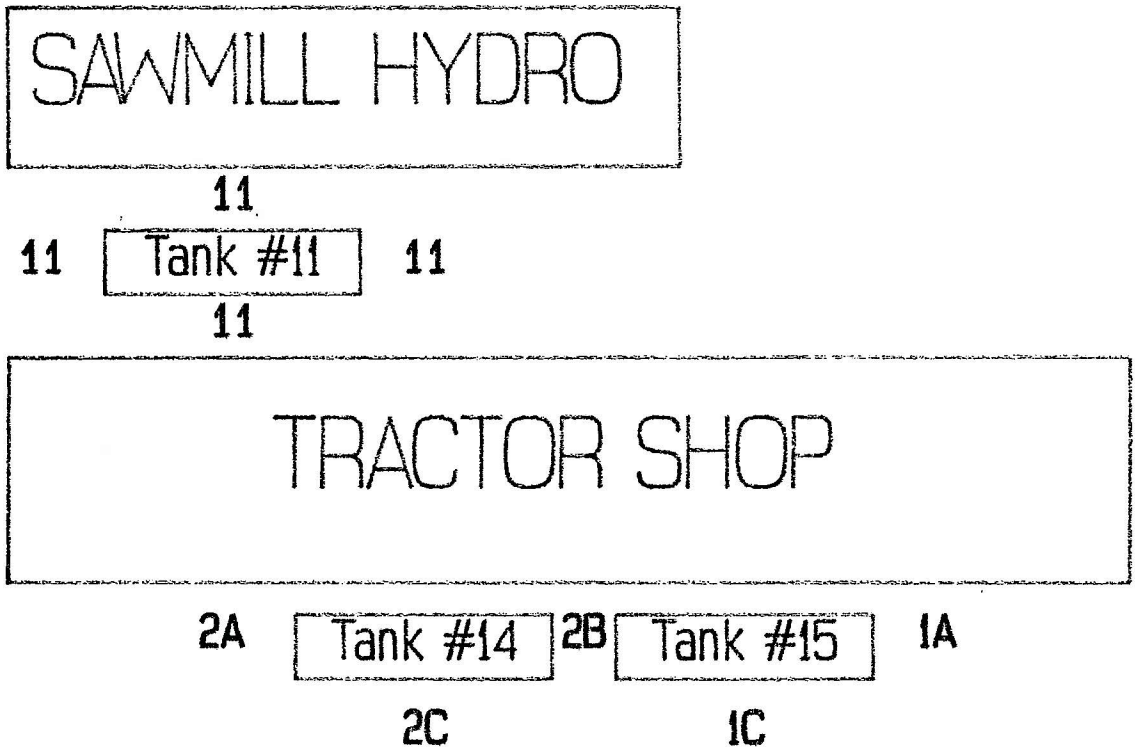
The pit was filled in with fill following the removal of the tanks and lines. The tank was inspected to ensure cleanliness and shipped to Isaacson Structural Steel for disposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines June 1994

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.



Numbers in Red Indicate Soil Sample Points

UNDERGROUND STORAGE TANK REMOVAL

Facility: James River Corporation
Address: Woodyard Scales
650 Main St. Berlin, NH 03570

Tank#: 18
Tank Volume: 1000 gallons
Contents: Heating Oil
Removal Date: August 16, 1994

Visual Inspection:

Wet soil was detected in the bottom of the pit which was believed to be from rainfall. No free water was visible. No visible soil contamination was found but there was a slight petroleum odor in sample 4A. The tank was in good condition with a slight amount of rust and no holes were detected. The piping and fittings also seemed to be free of leaks.

Olfactory Inspection:

VOC headspace analysis HNU PI101 10.2 eV PID

West side of tank (4A)	34 ppm
East side of tank (4B)	0.2 ppm

Removal Actions:

Two grab samples of soil were taken from the walls of the pit at approximately 4 feet deep in locations at each side of the tank.

Laboratory Results:

Sample	**4A**	**4B**
% Solids	90	89
TPH (dry basis)	2400	ND<100
BTEX	(see attached analytical results)	

Disposal:

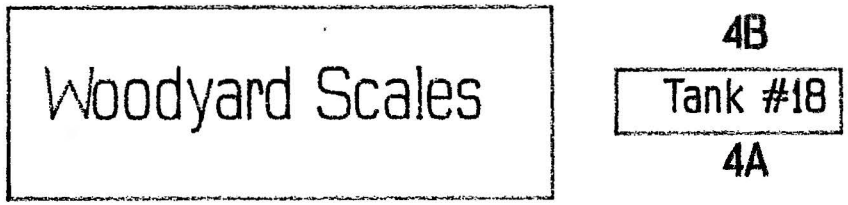
Due to heavy traffic in this area this pit was filled immediately after the tank was removed and samples were taken. The tank was inspected to ensure cleanliness and shipped to Isaacson Structural Steel for disposal as scrap metal.

Procedure based on:

UST Closure, Sampling and Reporting Guidelines June 1994

Interim Policy for Management of Soils Contaminated from Spills/Releases of Virgin Petroleum Products 9/91 and Amendment of 3/24/92.

State of New Hampshire regulations Part Env-Ws 411.



Numbers in Red Indicate Soil Sample Points

JAMES RIVER CORPORATION

INTEROFFICE CORRESPONDENCE

DATE September 13, 1994

TO Jeff O'Hearn - Berlin

FROM Dwight Easty - CES/Camas

SUBJECT Lab Reference 940411 - Analysis of Soil Samples

Results of analysis of soil samples collected 8/16/94 are shown in the enclosed tables.

Dilution factors shown in Table 1 pertain to the amounts of sample used for analysis. Detection limits for the target compounds in individual samples may be determined by multiplying the values in the Detection Limit column by the sample's dilution factor. Thus, for example, the detection limits for Sample 4A are 2.2 times the values in the Detection Limit column.

Methylene chloride found in almost all of the samples might represent contamination from the air in our laboratory. Soil samples were weighed on a balance in the lab, and they might have picked up contamination at that time. The lab blank contained only reagents and was not exposed to the air. If you wish, we could prepare a more representative blank by heating a soil to remove volatiles and then performing the analysis on that soil.

The initial amount of methylene chloride found in Sample 11, 32 µg/Kg, prompted us to analyze the sample a second time. The second analysis yielded a lower value, 6.1 µg/Kg, but it was performed two weeks beyond the holding time.

Please call if you have questions or wish us to perform additional analyses.

Dwight Easty

DWIGHT EASTY/jm

c: Earl Hanson - Richmond

Enclosures

Corporate Environmental Services-West
904 N.W. Drake Street, Camas, WA 98607-1999 (206) 834-4444

TABLE 1. EPA 8260 VOLATILE ORGANIC ANALYSES

Source: Berlin
Job No.: 940411
Sample: Soil Samples, 8-16-94

COMPOUND	Detection Limit*	Lab Blank	Concentration, ug/Kg(Dry Weight) 1A	1C	2A	2B	2C	4A	4B	11
Dilution factor		*1*	*0.92*	*2.16*	*0.96*	*2.74*	*0.86*	*2.2*	*0.85*	*0.86*
Percent Solids			*91*	*88*	*90*	*91*	*88*	*90*	*89*	*93*
Dichlorodifluoromethane	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	2	0.2b	2.5a	ND	6.1a	9.6a	5.5a	2.1a	1.1a	32, 6.1a
trans-1,2-Dichloroethene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1	ND	ND	ND	ND	ND	ND	1.3a	ND	ND
cis-1,3-Dichloropropene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 1. Continued

COMPOUND	Detection Limit*	Lab Blank	1A	1C	2A	2B	2C	4A	4B	11
1,2-Dibromoethane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-&m-Xylenes	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propylbenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
n_Butylbenzene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	60	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	>100	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	>100	ND	ND	ND	ND	ND	ND	ND	ND	ND

*Estimated detection limit for 10g soil sample.
ND means not detected or less than the blank level.
a. Reported value is lower than the lowest calibration standard(12.5ug/Kg).
b. Reported value is lower than the lowest calibration std and the estimated detection limit.

Table 2

Analysis of Soil Samples: MTBE[a] and TPH[b]

Lab Reference 940411

Sample	Solids Content %	MTBE, ppm	TPH, µg/g (ppm) dry basis	
			As Gasoline	As Fuel Oil
1A	91	--	--	ND <10
1C	88	--	--	1100
2A	90	ND <0.1	ND <10	--
2B	91	ND <0.1	ND <10	--
2C	88	ND <0.1	ND <10	--
4A	90	--	--	2400
4B	89	--	--	ND <100
11	93	--	--	ND <100

[a] Methyl tert-Butyl Ether
[b] Total Petroleum Hydrocarbons

Note: Spike recovery of 2.5 ppm MTBE in soil: 87%

Methods:

MTBE and TPH as Gasoline - Extraction with methanol; purge-and-trap GC/MS analysis
TPH as Fuel Oil - Extraction with dichloromethane; analysis by GC/FID
Volatile Organics - EPA Method 8260

Analysts:

R. R. Claeys
K. J. Haunreiter
V. G. Claxton

JR

JAMES RIVER CORPORATION
COMMUNICATION PAPERS / N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 342-2000

September 29, 1994

Mr. Thomas Beaulieu
Groundwater Protection Bureau
NH Department of Environmental Services
6 Hazen Drive
Concord, NH 03302-0095

RE: UST Removal on August 16, 1994

Dear Mr. Beaulieu:

Enclosed please find a written report regarding the permanent closure of four underground storage tanks from our facility (O-112765) on August 16, 1994. The tanks were removed by James River personnel and witnessed by Nancy Kurseyicz from your office. Analytical data is included of the soil samples that were collected.

If there is any other information that you require please contact me at (603) 342-2363.

Sincerely,

Jeff O'Hearn
Environmental Project Engineer

ustrem94:ust1

cc: R. Danforth
B. Delisle - Berlin Health Department

JAMES RIVER CORPORATION
COMMUNICATION PAPERS / N.E. GROUP
650 Main St., Berlin, NH 03570-2469 (603) 342-2000

October 12, 1994

Mr. Carl Woodbury
Waste Management Division
NH Department of Environmental Services
6 Hazen Drive
Concord, NH 03301

Dear Mr. Woodbury:

Enclosed please find soil analytical data for approximately 5 yd^3 of soil resulting from the removal of a gasoline and a diesel underground storage tank at our Tractor shop. We are seeking your permission to dispose of this soil at our Mt. Carberry Landfill.

If you have any questions or concerns please contact me at (603) 342-2363.

Sincerely,

Jeffrey O'Hearn
Environmental Project Engineer

ts_ust_soil_101294:vwp_jdo

cc: R. Danforth

JAMES RIVER CORPORATION

INTEROFFICE CORRESPONDENCE

DATE September 13, 1994

TO Jeff O'Hearn - Berlin

FROM Dwight Easty - CES/Camas

SUBJECT Lab Reference 940411 - Analysis of Soil Samples

Results of analysis of soil samples collected 8/16/94 are shown in the enclosed tables.

Dilution factors shown in Table 1 pertain to the amounts of sample used for analysis. Detection limits for the target compounds in individual samples may be determined by multiplying the values in the Detection Limit column by the sample's dilution factor. Thus, for example, the detection limits for Sample 4A are 2.2 times the values in the Detection Limit column.

Methylene chloride found in almost all of the samples might represent contamination from the air in our laboratory. Soil samples were weighed on a balance in the lab, and they might have picked up contamination at that time. The lab blank contained only reagents and was not exposed to the air. If you wish, we could prepare a more representative blank by heating a soil to remove volatiles and then performing the analysis on that soil.

The initial amount of methylene chloride found in Sample 11, 32 µg/Kg, prompted us to analyze the sample a second time. The second analysis yielded a lower value, 6.1 µg/Kg, but it was performed two weeks beyond the holding time.

Please call if you have questions or wish us to perform additional analyses.

Dwight Easty

DWIGHT EASTY/jm

c: Earl Hanson - Richmond

Enclosures

Corporate Environmental Services-West
904 N.W. Drake Street, Camas, WA 98607-1999 (206) 834-4444

TABLE 1. EPA 8260 VOLATILE ORGANIC ANALYSES

Source: Berlin
Job No.: 940411
Sample: Soil Samples, 8-16-94

COMPOUND	Detection Limit*	Lab Blank	Concentration, ug/Kg (Dry Weight) 1C	2A
Dilution factor		*1*	*2.16*	*0.96*
Percent Solids			*88*	*90*
Dichlorodifluoromethane	20	ND	ND	ND
Chloromethane	20	ND	ND	ND
Vinyl chloride	20	ND	ND	ND
Bromomethane	20	ND	ND	ND
Chloroethane	20	ND	ND	ND
Trichlorofluoromethane	2	ND	ND	ND
1,1-Dichloroethene	1	ND	ND	ND
Methylene chloride	2	0.2b	ND	6.1a
trans-1,2-Dichloroethene	2	ND	ND	ND
1,1-Dichloroethane	1	ND	ND	ND
cis-1,2-Dichloroethene	2	ND	ND	ND
2,2-Dichloropropane	2	ND	ND	ND
Bromodichloromethane	2	ND	ND	ND
Chloroform	1	ND	ND	ND
1,1,1-Trichloroethane	2	ND	ND	ND
1,1-Dichloropropene	2	ND	ND	ND
Carbon tetrachloride	2	ND	ND	ND
1,2-Dichloroethane	2	ND	ND	ND
Benzene	1	ND	ND	ND
Trichloroethene	3	ND	ND	ND
1,2-Dichloropropane	7	ND	ND	ND
Dibromomethane	4	ND	ND	ND
trans-1,3-Dichloropropene	2	ND	ND	ND
Toluene	1	ND	ND	ND
cis-1,3-Dichloropropene	2	ND	ND	ND
1,1,2-Trichloroethane	3	ND	ND	ND
1,3-Dichloropropane	2	ND	ND	ND
Dibromochloromethane	3	ND	ND	ND
Tetrachloroethene	3	ND	ND	ND

TABLE 1. Continued

COMPOUND	Detection Limit*	Lab Blank	1C	2A
1,2-Dibromoethane	3	ND	ND	ND
Chlorobenzene	1	ND	ND	ND
1,1,1,2-Tetrachloroethane	3	ND	ND	ND
Ethylbenzene	1	ND	ND	ND
p-&m-Xylenes	2	ND	ND	ND
o-Xylene	1	ND	ND	ND
Styrene	1	ND	ND	ND
Bromoform	5	ND	ND	ND
Isopropylbenzene	1	ND	ND	ND
1,1,2,2-Tetrachloroethane	2	ND	ND	ND
1,2,3-Trichloropropane	3	ND	ND	ND
Bromobenzene	2	ND	ND	ND
Propylbenzene	1	ND	ND	ND
2-Chlorotoluene	1	ND	ND	ND
1,3,5-Trimethylbenzene	1	ND	ND	ND
4-Chlorotoluene	1	ND	ND	ND
tert-Butylbenzene	1	ND	ND	ND
1,2,4-Trimethylbenzene	1	ND	ND	ND
sec-Butylbenzene	1	ND	ND	ND
p-Isopropyltoluene	1	ND	ND	ND
1,3-Dichlorobenzene	1	ND	ND	ND
1,4-Dichlorobenzene	1	ND	ND	ND
n_Butylbenzene	1	ND	ND	ND
1,2-Dichlorobenzene	2	ND	ND	ND
1,2-Dibromo-3-chloropropane	60	ND	ND	ND
1,2,4-Trichlorobenzene	50	ND	ND	ND
Hexachlorobutadiene	7	ND	ND	ND
Naphthalene	>100	ND	ND	ND
1,2,3-Trichlorobenzene	>100	ND	ND	ND

*Estimated detection limit for 10g soil sample.
ND means not detected or less than the blank level.
a. Reported value is lower than the lowest calibration standard(12.5ug/Kg).
b. Reported value is lower than the lowest calibration std and the estimated detection limit.

Table 2

Analysis of Soil Samples: MTBE[a] and TPH[b]

Lab Reference 940411

Sample	Solids Content %	MTBE, ppm	TPH, µg/g (ppm) dry basis	
			As Gasoline	As Fuel Oil
1C	88	--	--	1100
2A	90	ND <0.1	ND <10	--

[a] Methyl tert-Butyl Ether
[b] Total Petroleum Hydrocarbons

Note: Spike recovery of 2.5 ppm MTBE in soil: 87%

Methods:

MTBE and TPH as Gasoline - Extraction with methanol; purge-and-trap GC/MS analysis
TPH as Fuel Oil - Extraction with dichloromethane; analysis by GC/FID
Volatile Organics - EPA Method 8260

Analysts:

R. R. Claeys
K. J. Haunreiter
V. G. Claxton

State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
603-271-3503 FAX 603-271-2867
TDD Access: Relay NH 1-800-735-2964

October 21, 1994

Mr. Jeffrey O'Hearn
Environmental Project Engineer
James River Corporation
650 Main Street
Berlin, NH 03570-2489

RE: CONTAMINATED SOIL DISPOSAL

Dear Mr. O'Hearn:

The New Hampshire Department of Environmental Services has received your letter of October 12, 1994 requesting approval to dispose 5 yd^3 of petroleum contaminated soil at the Mt. Carberry landfill. Based on the analytical data submitted with your correspondence, your request is approved.

Please contact me at the Solid Waste Compliance Section, Waste Management Division at (603) 271-2925, if you have any questions.

Sincerely,

Carl F. Woodbury
Waste Management Specialist IV
Waste Management Compliance Bureau

RSR/CFW/neo/ohrnltr
cc: James River Corp. Berlin File/DB
Carl F. Woodbury, SWCS

AIR RESOURCES DIV.
64 No. Main Street
Caller Box 2033
Concord, N.H. 03302-2033
Tel. 603-271-1370
Fax 603-271-1381

WASTE MANAGEMENT DIV.
6 Hazen Drive
Concord, N.H. 03301
Tel. 603-271-2900
Fax 603-271-2456

WATER RESOURCES DIV.
64 No. Main Street
P.O. Box 2008
Concord, N.H. 03302-2008
Tel. 603-271-3406
Fax 603-271-6588

WATER SUPPLY & POLLUTION CONTROL DIV.
P.O. Box 95
Concord, N.H. 03302-0095
Tel. 603-271-3503
Fax 603-271-2181

State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES
6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
603-271-3503 FAX 603-271-2867
TDD Access: Relay NH 1-800-735-2964

January 25, 1995

Jeffrey O'Hearn
James River Corporation
650 Main Street
Berlin, New Hampshire 03570-2489

RE: Berlin, James River Corporation, TANK CLOSURE REPORT, (UST #0-112765)

Dear Mr. O'Hearn,

The New Hampshire Department of Environmental Services (DES) has reviewed the Tank Closure Report for a 2,000 gallon kerosine, a 3,000 gallon diesel, a 3,000 gallon gasoline and a 1,000 gallon #2 heating oil tank formally located at the James River Corporation. We have the following comments:

1. Based upon the information provided, it appears that a discharge of petroleum that will ultimately seep into surface water or groundwater of the State has not occurred. Therefore, DES will not require additional investigation or remedial measures at this time.

2. The owner(s) of this facility must meet the goals of N.H. Admin. Rules Env-Ws 410 "Groundwater Protection Rules," that is, groundwater at the site must continue to meet drinking water quality standards.

3. DES reserves the right, under N.H. Admin. Rules Env-Ws 410 "Groundwater Protection Rules" and N.H. Admin. Rules Env-Ws 412 "Rules for Reporting and Remediation of Oil Discharges," to require additional hydrogeological investigations and/or remedial measures if further information indicating the need for such work is received.

If you have questions, contact me at the Water Supply & Pollution Control Division at (603) 271-3644.

Sincerely,

Thomas R. Beaulieu
Groundwater Protection Bureau

TRB/trb:97
cc: File

AIR RESOURCES DIV.
64 No. Main Street
Caller Box 2033
Concord, N.H. 03302-2033
Tel. 603-271-1370
Fax 603-271-1381

WASTE MANAGEMENT DIV.
6 Hazen Drive
Concord, N.H. 03301
Tel. 603-271-2900
Fax 603-271-2456

WATER RESOURCES DIV.
64 No. Main Street
P.O. Box 2008
Concord, N.H. 03302-2008
Tel. 603-271-3406
Fax 603-271-6588

WATER SUPPLY & POLLUTION CONTROL DIV.
P.O. Box 95
Concord, N.H. 03302-0095
Tel. 603-271-3503
Fax 603-271-2181

JAMES RIVER CORPORATION
COMMUNICATION PAPERS/N.E. GROUP
650 Main St., Berlin, NH 03570-2489 (603) 752-4600

December 20, 1993

Mr. Spruce Wheelock
Groundwater Protection Bureau
N.H. Department of Environmental Services
6 Hazen Drive, P.O Box 95
Concord, NH 03302-0095

Dear Mr. Wheelock:

Enclosed please find a list of our current Underground petroleum storage tanks and their current status. This list also includes tanks which have been temporarily closed per Env-Ws 411.17 and those tanks which will be permanently closed per Env-Ws 411.18 in the Spring of 1994.

As you can also see from the table, Tank #17 was recently discovered on-site. It was originally believed to be in the basement of the Scale Shack but upon closer investigation was found to be buried outside the building. When this was discovered the tank was pumped out and replaced with two aboveground tanks in the basement of the Scale Shack. This UST will be removed in the Spring of 1994.

Once four of the tanks are removed in the Spring of 1994 we will only have one UST on-site. This tank is currently in compliance with all of the applicable state and federal regulations.

If you have any questions or comments about this information please contact me at (603) 342-2363.

Sincerely,

Jeffrey O'Hearn
Environmental Project Engineer

ust_status_1993:vwp_jdo

cc: R. Danforth

TANK #	LOCATION	CONTENTS	STATUS	TESTED	REMOVAL
1	CASCADE WWTP	#2 OIL	THIS TANK IS EQUIPPED WITH BOTH AN OVERFILL ALARM AND SPILL CONTAINMENT.	ANNUAL LEVEL TEST SUMMER 1993 TIGHTNESS TEST 7/14/88	1998
11	SAWMILL HYDRO	KEROSENE	THIS TANK IS EQUIPPED WITH SPILL PROTECTION. AT THIS TIME THE TANK CONTAINS PRODUCT WHICH WILL BE USED UNTIL THE TANK IS EMPTY. THIS TANK WILL NOT BE REFILLED AND IS SCHEDULED FOR REMOVAL IN THE SPRING OF 1994.	ANNUAL LEVEL TEST SUMMER 1993 TIGHTNESS TEST 8/15/89	SPRING 1994
14	TRACTOR SHOP	GASOLINE	THIS TANK IS EQUIPPED WITH SPILL PROTECTION. IT CURRENTLY MEETS THE REQUIREMENTS OF TEMPORARY CLOSURE AND IS SCHEDULED FOR REMOVAL IN THE SPRING OF 1994.	TIGHTNESS TEST DECEMBER 1992	SPRING 1994
15	TRACTOR SHOP	DIESEL	THIS TANK IS EQUIPPED WITH SPILL PROTECTION. IT CURRENTLY MEETS THE REQUIREMENTS OF TEMPORARY CLOSURE AND IS SCHEDULED FOR REMOVAL IN THE SPRING OF 1994.	TIGHTNESS TEST DECEMBER 1992	SPRING 1994
17	WOOD SCALE	#2 OIL	THIS TANK WAS RECENTLY DISCOVERED. IT WAS REMOVED FROM SERVICE WHEN IT WAS DISCOVERED AND IS CURRENTLY EMPTY. IT CURRENTLY MEETS THE REQUIREMENTS OF TEMPORARY CLOSURE AND IS SCHEDULED TO BE REMOVED IN THE SPRING OF 1994.	NOT TESTED	SPRING 1994

APPENDIX D

Site Photographs

REC #1: Example of oily staining observed on interior concrete floor slab. Photo shows staining under an air compressor, Maintenance Shop basement area. February 2002.

REC #2: Old vehicles, large equipment, and drums observed behind the Service Garage on unpaved ground. February 2002.

REC #3: Transformers stored near Maintenance Shop/Woods Department. Bucket (inset) with approximately one quart of oil observed underneath one transformer. February 2002.

REC # 4: Example of areas of solid waste observed in North Yard area. February 2002.

REC #5: Oil staining on outside of #6 oil tank that serves the Chemical Recovery Unit. February 2002.

REC #6: Accumulations of off-spec lime waste on cracked pavement surfaces on southern side of the Causticizing Plant. February 2002.

REC #8: Example of oil staining observed in several interior areas of the Service Garage. February 2002.

REC #8: Oil observed leaking from a transformer stored in the Service Garage "Hazardous Waste Vault". February 2002.

REC #9: Service Garage ASTs located on unpaved ground with no secondary containment. February 2002.

REC #11: Drum observed near northern property boundary fence. February 2002.

REC #12: Drum observed along railroad tracks, north of #6 fuel oil AST (west side of river). February 2002.

REC #13: Residual fuel oil observed on ground in fuel transfer area adjacent to the #6 fuel oil AST on west side of river. February 2002.

REC #14: Heavy staining observed on concrete slab and dirt floor of Railroad Repair Shop. February 2002.

REC #14: Railroad Repair Shop exterior solid waste. February 2002.

REC #20: Area of exposed fill observed north of Railroad Repair Shop. February 2002.

OSREC #1: Iron staining observed along river bank near Cell House area. February 2002.